

Lightning Component Event example

By: Arman Shah
Feb 23, 2019

```
1 <!-- FacilityTile (CHILD) COMPONENT code -->
2
3 <aura:component>
4   <aura:attribute name="facility" type="Facility_c"/>
5   <aura:attribute name="selected" type="Boolean" default="false" />
6
7   <aura:registerEvent name="FacilitySelect" type="c:FacilitySelect"/>
8   <aura:registerEvent name="FacilitySelected" type="c:FacilitySelected"/>
9   <aura:registerEvent name="PlotMapMarker" type="c:PlotMapMarker"/>
10
11   <lightning:button label="" class="{! v.selected ? 'tile selected' : 'tile'}"
12     onclick="{!c.onFacilityClick}" aura:id="facilityTile" value="{!v.facility.Id}">
13     <div style="{! 'background: url(' + v.facility.Picture__c +
14       ' ) no-repeat;background-position: center;background-size: cover;'}"
15       class="innertile" >
16       <div class="lower-third">
17         <h1 class="slds-truncate">{! v.facility.Name}</h1>
18       </div>
19     </div>
20   </lightning:button>
21 </aura:component>
```

```
1 <!-- FacilitySearchResults CHILD COMPONENT of FacilitySearch (PARENT) COMPONENT
2 FacilitySearchResults PARENT COMPONENT of FacilityTile (CHILD) COMPONENT
3 -->
4 <aura:component implements="flexipage:availableForAllPageTypes" controller="FacilitySearchResults">
5   <!-- ... -->
6   <aura:attribute name="facilities" type="Facility_c[]"/>
7
8   <!-- FacilitySearch (PARENT) CMP calls this CHILD Method -->
9   <aura:method name="search" action="{!c.doSearch}" access="public">
10     <aura:attribute name="facilityTypeId" type="String" />
11   </aura:method>
12
13   <aura:handler name="facilitySelect" event="c:FacilitySelect" action="{!c.onFacilitySelect}" />
14
15   <aura:attribute name="selectedFacilityId" type="String"/>
16
17   <aura:if isTrue="{! empty(v.facilities) }">...</aura:if>
18
19 </aura:component>
```

uses this controller

calls PARENT component to handle CMP event

calls onFacilitySelect()

```
1 // FacilityTile (CHILD) CONTROLLER code
2
3 ({
4   onFacilityClick : function(component, event, helper) {
5     var facilityTile = component.find("facilityTile");
6     //alert("facilityTile= "+facilityTile);
7     var facilityId = facilityTile.get("v.value");
8     //alert("onFacilityClick: facilityId="+facilityId);
9     var facilitySelectEvent = component.getEvent("FacilitySelect");
10    facilitySelectEvent.setParams({ "facilityId": facilityId });
11    facilitySelectEvent.fire();
12
13    ///
14    var facility = component.get("v.facility");
15    //alert('FacilityTileController: onFacilityClick - facility='+facility);
16
17    // Get the application event by using the e.<namespace>.<event> syntax
18    var appEvent = $A.get("e.c:FacilitySelected");
19    appEvent.setParams({ "facility": facility });
20    appEvent.fire();
21
22    // Get Latitude & Longitude for map
23    var mapEvent = $A.get("e.c:PlotMapMarker");
24    var latitude = facility.Main_Location__Latitude__s;
25    var longitude = facility.Main_Location__Longitude__s;
26    var facilityName = facility.Name;
27    //alert("onFacilityClick: lat="+latitude+", long="+longitude+
28    //      ", sObjectId="+facilityId+", label="+facilityName);
29    mapEvent.setParams({ "lat" : latitude });
30    mapEvent.setParams({ "long" : longitude });
31    mapEvent.setParams({ "sObjectId" : facilityId });
32    mapEvent.setParams({ "label" : facilityName });
33    mapEvent.fire();
34  })
```

```
1 // FacilitySearchResults (CHILD) CONTROLLER code
2
3 ({
4   doSearch : function(component, event, helper) {...},
5
6   onFacilitySelect : function(component, event, helper) {
7     //alert('onFacilitySelect: event='+event);
8     var params = event.getParam('facilityId');
9     var selectedFacilityId = "";
10    if (params) {
11      //alert('params='+params);
12      selectedFacilityId = params;
13      //alert("onFacilitySelect: selectedFacilityId="+selectedFacilityId);
14      component.set("v.selectedFacilityId", selectedFacilityId);
15    }
16  })
```

App Event

```
1 <!-- FacilityDetailsTile (CHILD) COMPONENT code -->
2
3 <aura:component implements="flexipage:availableForAllPageTypes" access="global">
4
5   <aura:handler event="c:FacilitySelected" action="{!c.onFacilitySelected}" />
6
7   <aura:attribute name="facility" type="Facility_c"/>
8
9   <lightning:layout horizontalAlign="spread" multipleRows="true">
10     <lightning:layoutItem padding="around-small" flexibility="grow">
11       <div class="lower-third">
12         <p> <B>Name: </B> {!v.facility.Name} </p>
13         <p> <B>Description: </B> {!v.facility.Description__c} </p>
14         <p> <B>Hours: </B> {!v.facility.Hours__c} </p>
15       </div>
16     </lightning:layoutItem>
17   </lightning:layout>
18 </aura:component>
```

Draws map using the PlotMapMarker CHILD component